

**FIG. 1**

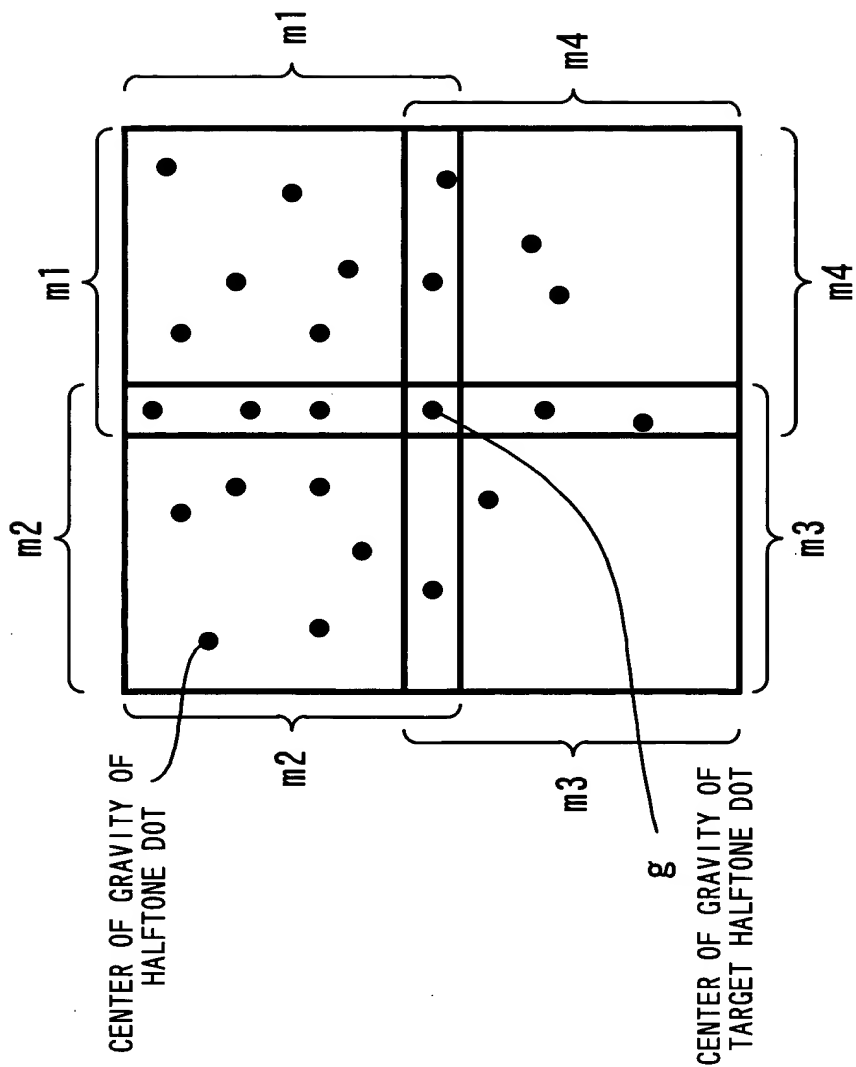


FIG. 2

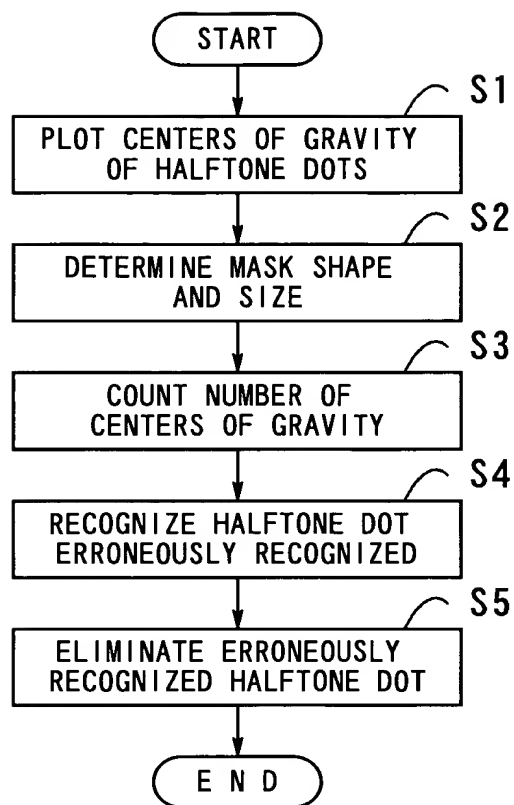


FIG. 3

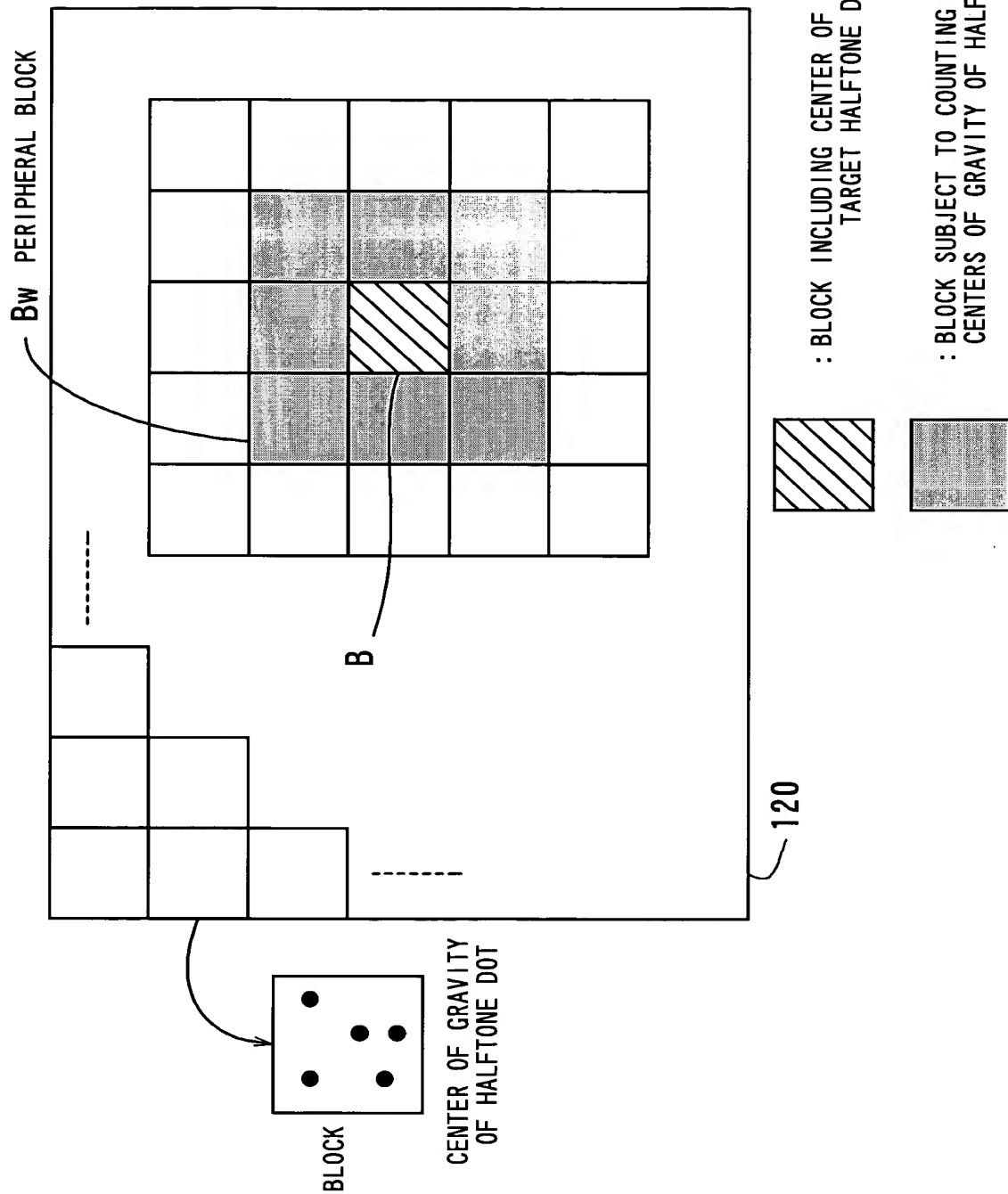


FIG. 4

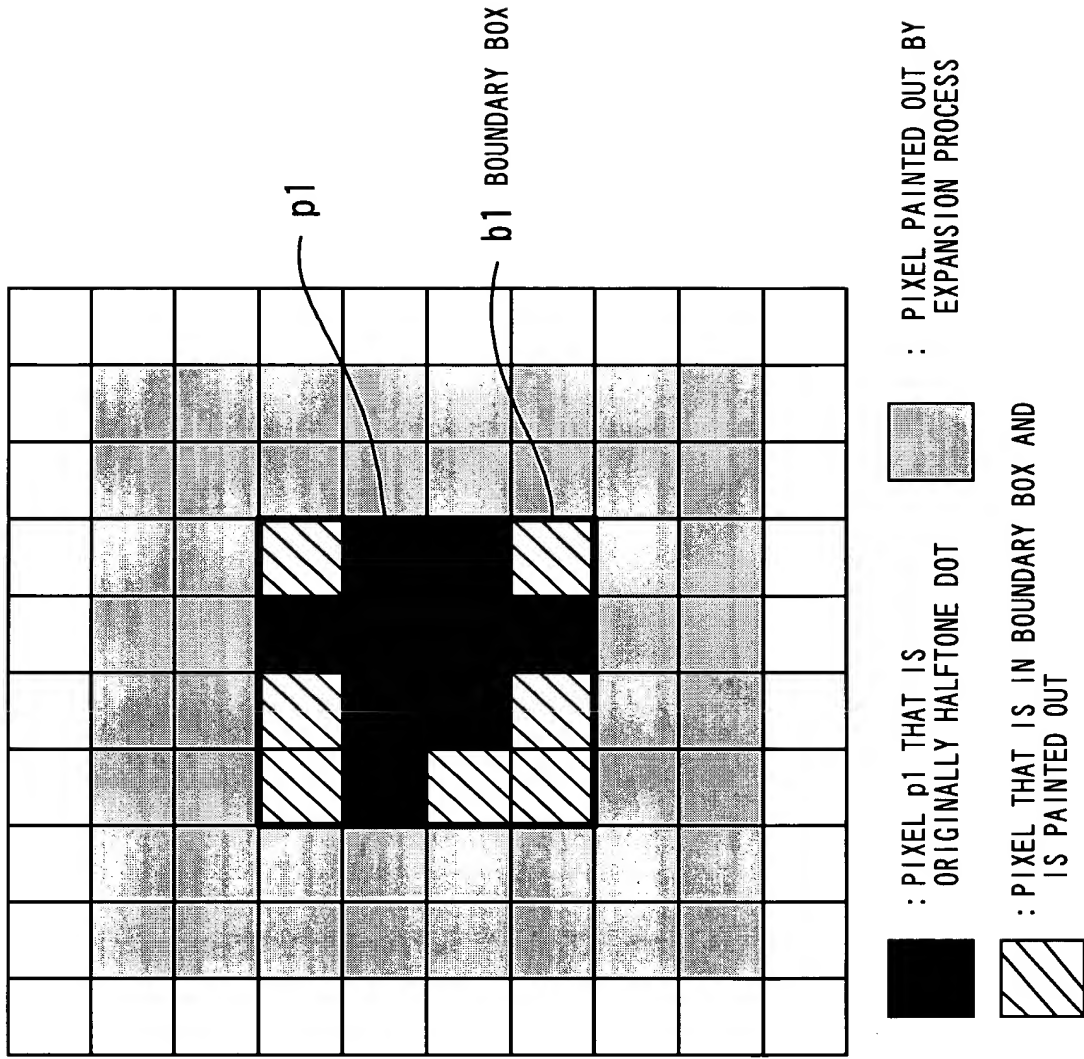
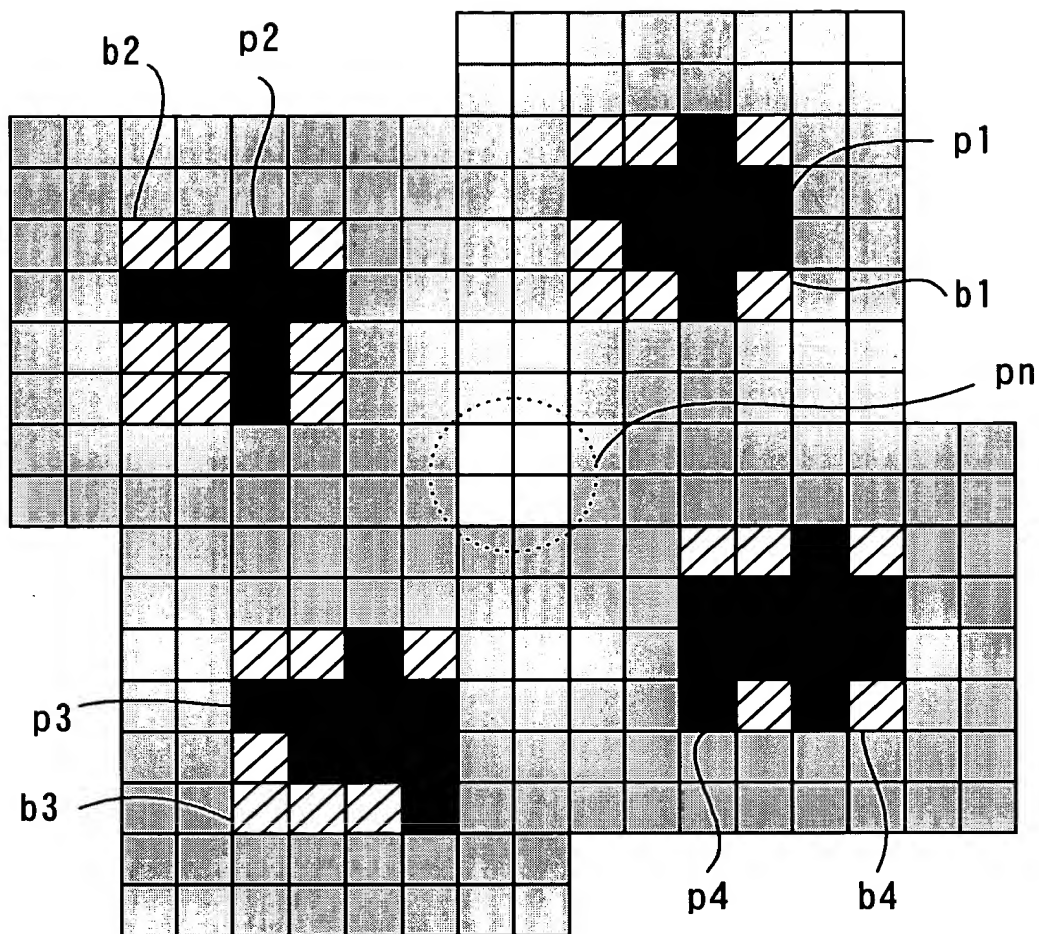


FIG. 5



- : PIXEL p1 THAT IS ORIGINALLY HALFTONE DOT
- : PIXEL PAINTED OUT BY EXPANSION PROCESS
- : PIXEL THAT IS IN BOUNDARY BOX AND IS PAINTED OUT

FIG. 6



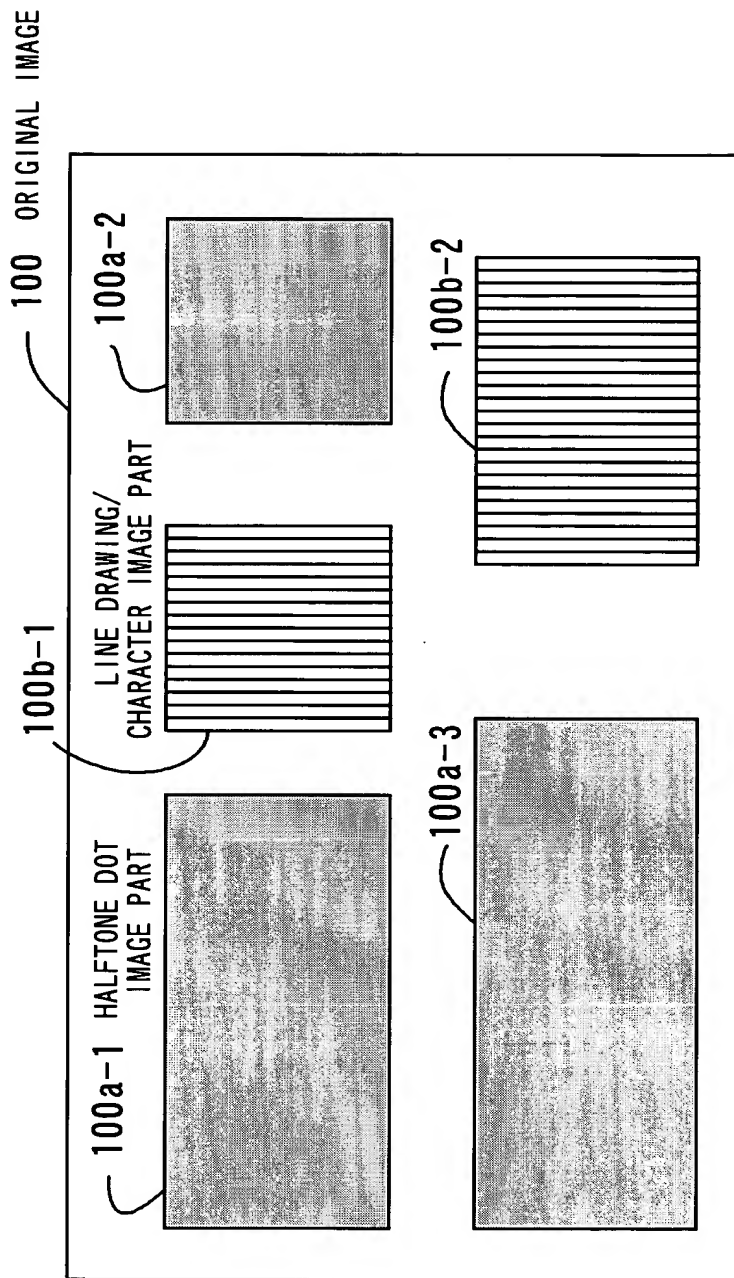


FIG. 8



FIG. 9

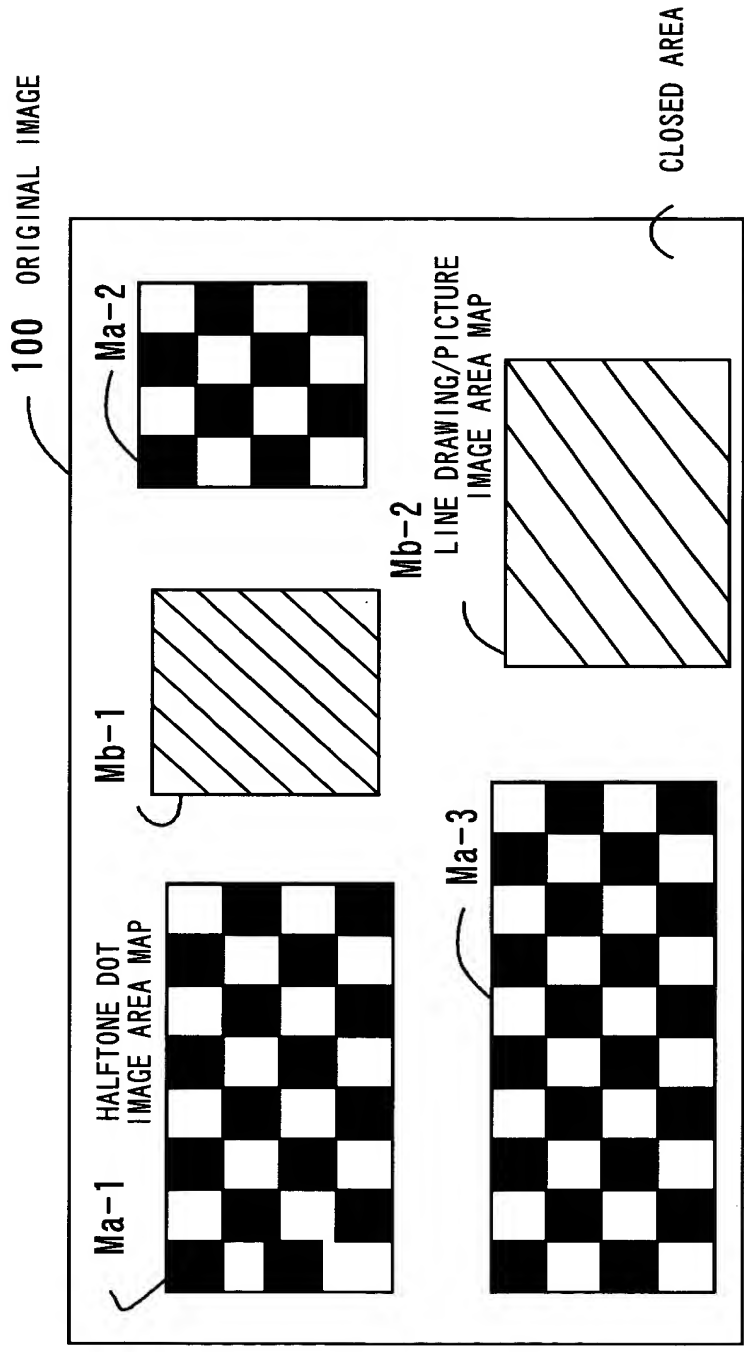


FIG. 9

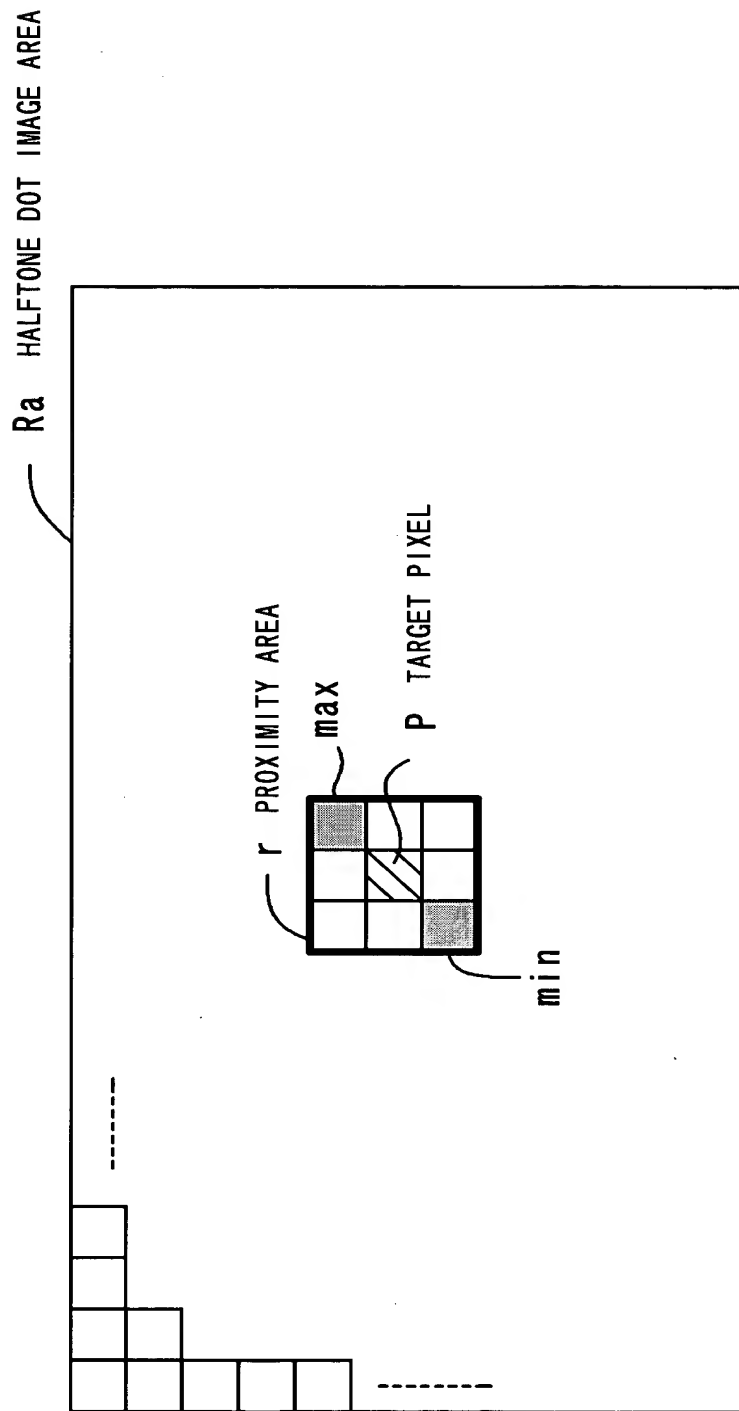


FIG. 10

r1 PROXIMITY AREA

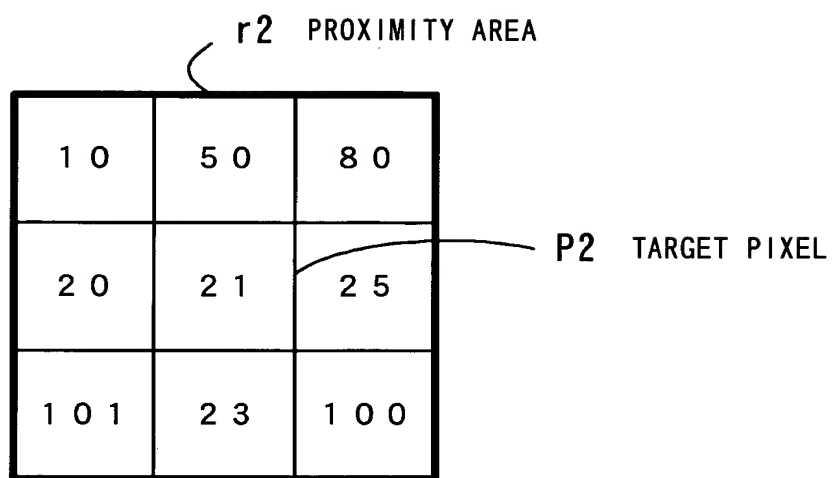
1 0 0	5 0	8 0
2 0 0	2 0 1	2 0 5
2 1 0	2 3 0	1 0 0

P1 TARGET PIXEL

CHANGED PIXEL VALUE  $P_a = 230 (\text{MAXIMUM PIXEL VALUE AVAILABLE IN PROXIMITY AREA}) * \alpha$

$$0.0 < \alpha \leq 1.0$$

FIG. 11



CHANGED PIXEL VALUE  $P_b = 230 (\text{MINIMUM PIXEL VALUE AVAILABLE IN PROXIMITY AREA}) * \beta$

$$1. \quad 0 \leq \beta$$

FIG. 12

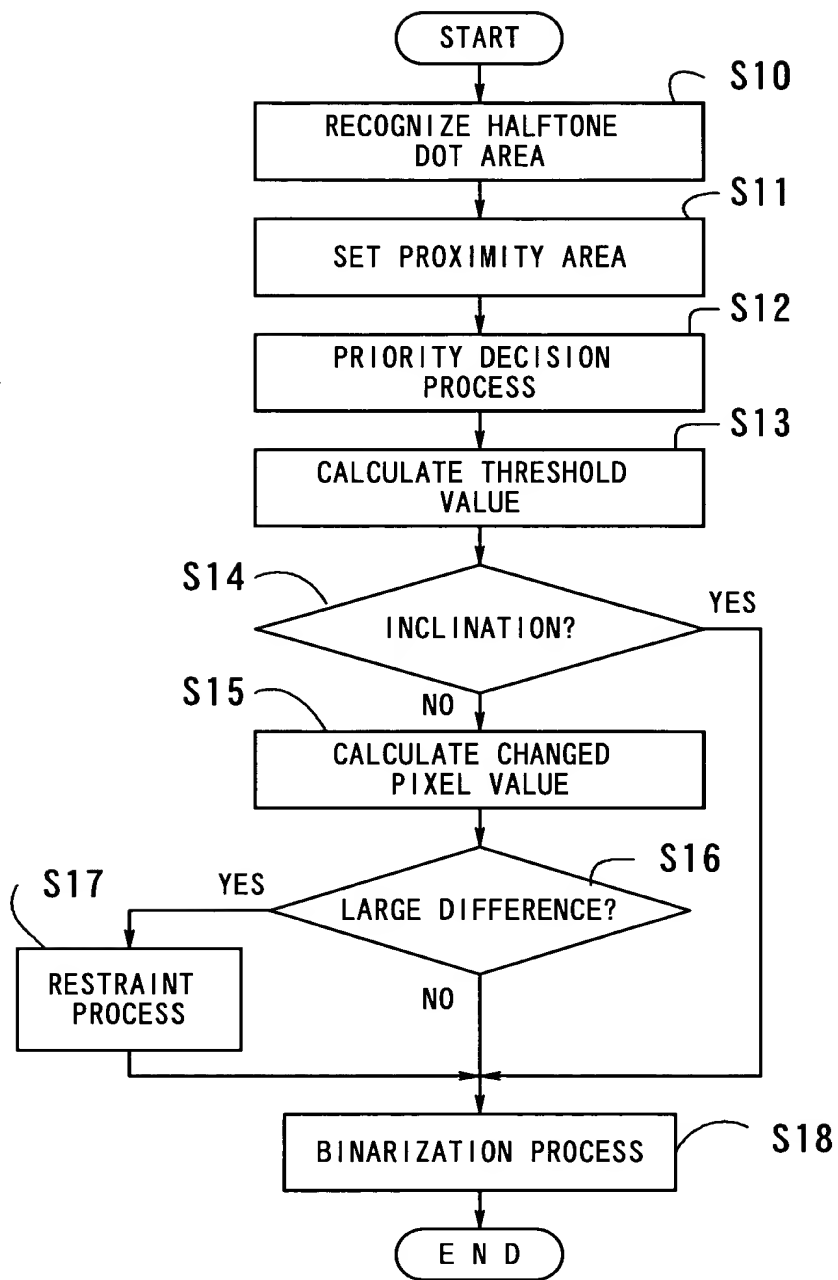


FIG. 13

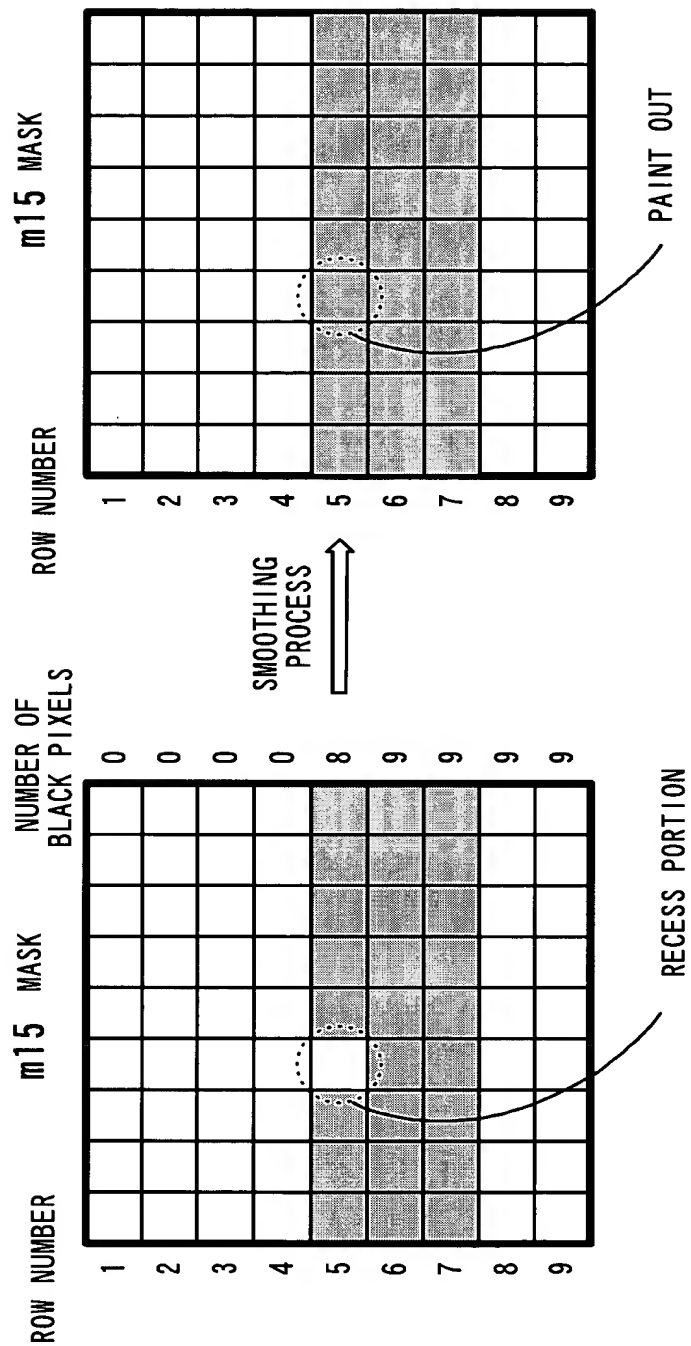


FIG. 14

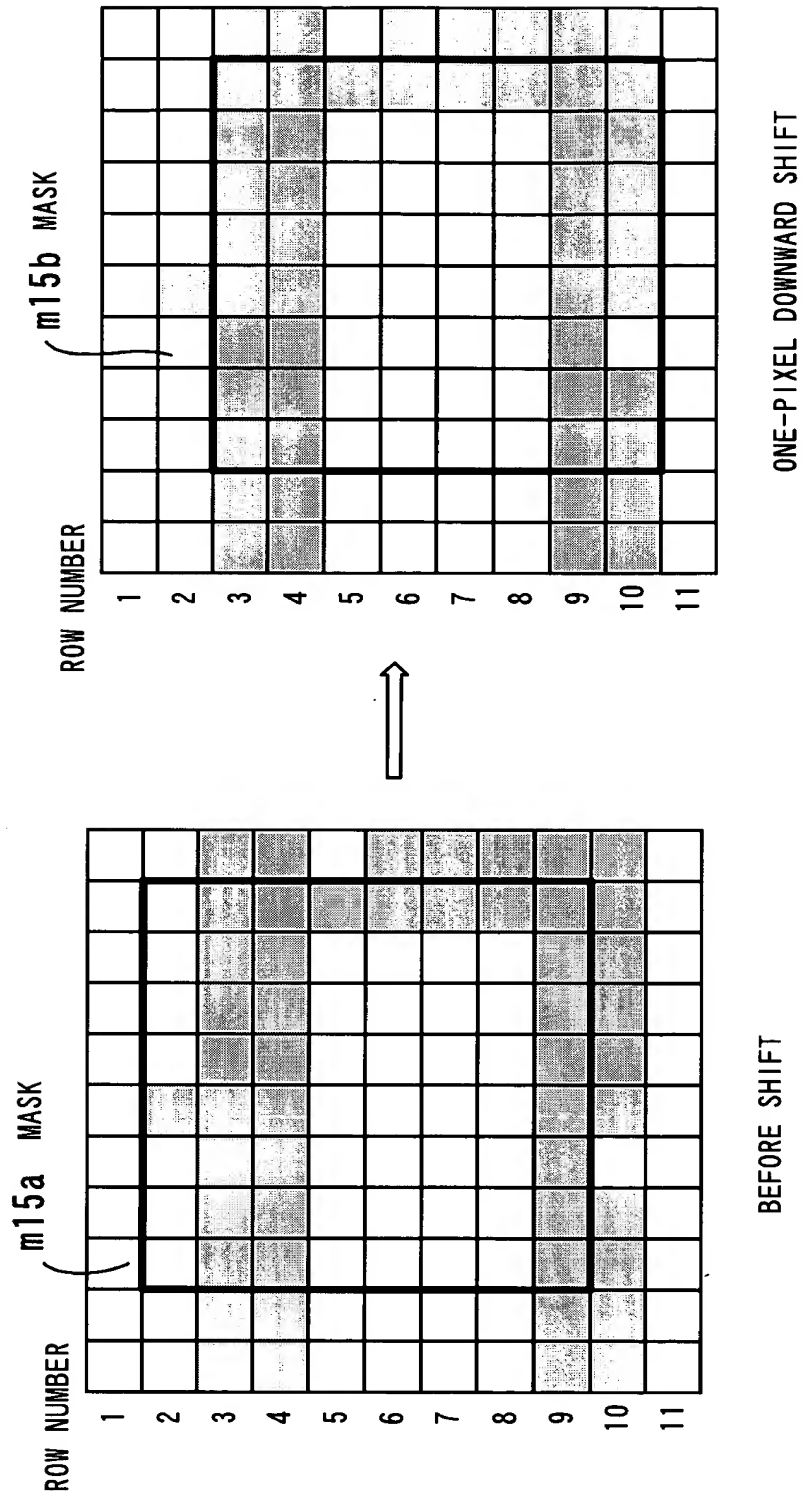


FIG. 15

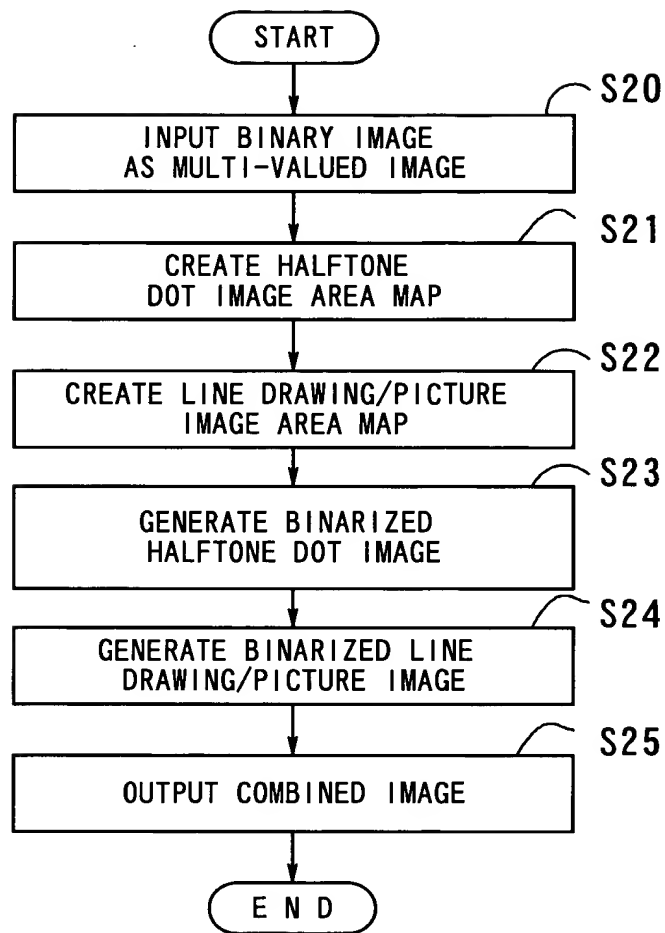


FIG. 16